

# Mitsuaki Yamauchi

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,450  
citations

430874

18  
h-index

330143

37  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1969  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Design amphiphilic dipolar $\pi$ -systems for stimuli-responsive luminescent materials using metastable states. <i>Nature Communications</i> , 2014, 5, 4013.   | 12.8 | 324       |
| 2  | Control over Hierarchy Levels in the Self-Assembly of Stackable Nanotoroids. <i>Journal of the American Chemical Society</i> , 2012, 134, 18205-18208.  | 13.7 | 143       |
| 3  | Light-induced unfolding and refolding of supramolecular polymer nanofibres. <i>Nature Communications</i> , 2017, 8, 15254.  | 12.8 | 105       |
| 4  | Photoreactive helical nanoaggregates exhibiting morphology transition on thermal reconstruction. <i>Nature Communications</i> , 2015, 6, 8936.  | 12.8 | 91        |
| 5  | A colorless functional polydopamine thin layer as a basis for polymer capsules. <i>Polymer Chemistry</i> , 2013, 4, 2696.   | 3.9  | 90        |
| 6  | Hydrogen-bonded rosettes comprising $\pi$ -conjugated systems as building blocks for functional one-dimensional assemblies. <i>Chemical Communications</i> , 2017, 53, 9663-9683.   | 4.1  | 80        |
| 7  | Photocontrol Over Self-Assembled Nanostructures of $\pi$ -Stacked Dyes Supported by the Parallel Conformer of Diarylethene. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2602-2606.                       | 13.8 | 76        |
| 8  | Simultaneous SAXS and SANS Analysis for the Detection of Toroidal Supramolecular Polymers Composed of Noncovalent Supermacrocycles in Solution. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9890-9893.   | 13.8 | 58        |
| 9  | Crystallization-Induced Emission of Azobenzene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14173-14178.   | 13.8 | 53        |
| 10 | Self-sorting regioisomers through the hierarchical organization of hydrogen-bonded rosettes. <i>Chemical Communications</i> , 2016, 52, 8211-8214.  | 4.1  | 37        |
| 11 | High-fidelity self-assembly pathways for hydrogen-bonding molecular semiconductors. <i>Scientific Reports</i> , 2017, 7, 43098.   | 3.3  | 34        |
| 12 | Water-induced self-assembly of an amphiphilic perylene bisimide dyad into vesicles, fibers, coils, and rings. <i>Materials Chemistry Frontiers</i> , 2018, 2, 171-179.  | 5.9  | 34        |
| 13 | Water-induced helical supramolecular polymerization and gel formation of an alkylene-tethered perylene bisimide dyad. <i>Chemical Communications</i> , 2017, 53, 168-171.   | 4.1  | 29        |
| 14 | Systematic Synthesis of Tetrathia[8]circulenes: The Influence of Peripheral Substituents on the Structures and Properties in Solution and Solid States. <i>Journal of Organic Chemistry</i> , 2020, 85, 62-69.            | 3.2  | 29        |
| 15 | In Situ Observation of Emission Behavior during Anion-Exchange Reaction of a Cesium Lead Halide Perovskite Nanocrystal at the Single-Nanocrystal Level. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 530-535. | 4.6  | 23        |
| 16 | Simultaneous SAXS and SANS Analysis for the Detection of Toroidal Supramolecular Polymers Composed of Noncovalent Supermacrocycles in Solution. <i>Angewandte Chemie</i> , 2016, 128, 10044-10047.                        | 2.0  | 21        |
| 17 | Supramolecular Polymerization of Supermacrocycles: Effect of Molecular Conformations on Kinetics and Morphology. <i>Chemistry - A European Journal</i> , 2017, 23, 5270-5280.   | 3.3  | 21        |
| 18 | Crystallization-Induced Emission of Azobenzene Derivatives. <i>Angewandte Chemie</i> , 2019, 131, 14311-14316.  | 2.0  | 18        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Colloidal Quantum Dot Arrangement Assisted by Perylene Bisimide Self-Assembly. Chemistry - A European Journal, 2019, 25, 167-172.   | 3.3  | 18        |
| 20 | Guided supramolecular polymerization of oligo( <i>p</i> -phenylenevinylene) functionalized bismelamines. Chemical Communications, 2013, 49, 4941.   | 4.1  | 15        |
| 21 | Photoluminescence On/Off Switching of a Single Colloidal Quantum Dot Using Photochromic Diarylethene. Journal of Physical Chemistry C, 2020, 124, 17423-17429.  | 3.1  | 15        |
| 22 | In Situ Observation of a Photodegradation-Induced Blueshift in Perovskite Nanocrystals Using Single-Particle Spectroscopy Combined with Atomic Force Microscopy. Journal of Physical Chemistry C, 2020, 124, 18770-18776. | 3.1  | 15        |
| 23 | Visible-Light-Induced Heptacene Generation under Ambient Conditions: Utilization of Single-Crystal Interior as an Isolated Reaction Site. Chemistry - A European Journal, 2020, 26, 15079-15083.                          | 3.3  | 15        |
| 24 | Phototriggered Supramolecular Polymerization of Barbituric Acid Rosette. Chemistry Letters, 2017, 46, 111-114.  | 1.3  | 12        |
| 25 | Slow Anion-Exchange Reaction of Cesium Lead Halide Perovskite Nanocrystals in Supramolecular Gel Networks. ACS Omega, 2020, 5, 14370-14375.   | 3.5  | 12        |
| 26 | Self-Assembly of Semiconductor Quantum Dots using Organic Templates. Chemistry - A European Journal, 2020, 26, 7176-7184.   | 3.3  | 12        |
| 27 | Photoresponsive supramolecular copolymers from diarylethene- <i>p</i> erylene bisimide hydrogen bonded complexes. Polymer, 2017, 128, 356-362.  | 3.8  | 10        |
| 28 | A Highly Ordered Quantum Dot Supramolecular Assembly Exhibiting Photoinduced Emission Enhancement. Angewandte Chemie - International Edition, 2021, 60, 6473-6479.  | 13.8 | 8         |
| 29 | Self-assembled Nanofibrils and Nanorings Formed from Oligo( <i>p</i> -phenylenevinylene) Dimers. Chemistry Letters, 2013, 42, 799-800.  | 1.3  | 5         |
| 30 | Elucidation of the Mechanism of Quantum Dot Arrangement Based on Self-Assembly of an Azobenzene Derivative. Bulletin of the Chemical Society of Japan, 2021, 94, 1799-1803.   | 3.2  | 4         |
| 31 | <i>In Situ</i> Observation of Emission Sites during the Halide Exchange Reaction in Single Cesium Lead Halide Perovskite Nanocrystals. Journal of Physical Chemistry C, 2022, 126, 2627-2633.                             | 3.1  | 4         |
| 32 | Supramolecular polymerization of hydrogen-bonded rosettes with anthracene chromophores: regioisomeric effect on nanostructures. Polymer Journal, 2017, 49, 189-195.   | 2.7  | 3         |
| 33 | Photoconversion of 6,13- <i>diketopentacene</i> single crystals exhibiting light intensity-dependent morphological change. Physical Chemistry Chemical Physics, 2019, 21, 6348-6353.                                      | 2.8  | 3         |
| 34 | Enhanced Single-Photon Emission from Single Quantum Dots Interacting with a One-Dimensional Plasmonic Chip. Journal of Physical Chemistry C, 2022, 126, 5189-5197.  | 3.1  | 3         |
| 35 | Kinetically and Thermodynamically Controlled Nanostructures of Perylene-Substituted Lophine Derivatives. Journal of Physical Chemistry C, 2019, 123, 10145-10152.   | 3.1  | 1         |
| 36 | Reversible Photoluminescence Control of Azobenzene Crystals by Light and Heat Stimulation. ChemPhotoChem, 0, , .  | 3.0  | 1         |

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|----|--|-----|-----------|
| 37 | Visible Light-induced Emission Enhancement in Aggregates of an Azobenzene Derivative. Chemistry Letters, 2022, 51, 473-476.  | 1.3 | 1         |
| 38 | Frontispiece: Colloidal Quantum Dot Arrangement Assisted by Perylene Bisimide Self-Assembly. Chemistry - A European Journal, 2019, 25, .   | 3.3 | 0         |
| 39 | Kinetic Control Over the Topology of Curved Supramolecular Polymers. , 2019, , 231-248.  |     | 0         |
| 40 | Frontispiece: Self-Assembly of Semiconductor Quantum Dots using Organic Templates. Chemistry - A European Journal, 2020, 26, .   | 3.3 | 0         |
| 41 | Innentitelbild: A Highly Ordered Quantum Dot Supramolecular Assembly Exhibiting Photoinduced Emission Enhancement (Angew. Chem. 12/2021). Angewandte Chemie, 2021, 133, 6254-6254. | 2.0 | 0         |
| 42 | A Highly Ordered Quantum Dot Supramolecular Assembly Exhibiting Photoinduced Emission Enhancement. Angewandte Chemie, 2021, 133, 6547-6553.  | 2.0 | 0         |
| 43 | Solvent Dependence of the Photoinduced Anion Exchange Reaction of Cesium Lead Halide Perovskite Nanocrystals. Chemistry Letters, 2021, 50, 1483-1485.                              | 1.3 | 0         |